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MAY 18 1977

R. B. SELIGMAN

PHILIP MORRIS

U.S.A.

INTER-OFFICE CORRESPONDENCE

RICHMOND, VIRGINIA

*Shirley*  
*Return to CTR*  
*mail 5/25/77*  
*(Jeh)*

To: Mr. A. Holtzman

Date: May 18, 1977

From: H. Wakeham

Subject: CTR Special Project with Dr. Domingo Aviado

Many years ago an INBIFO study (unpublished) of the effects of CO and nicotine on survival of mice showed that the effects are additive; that is, in the presence of nicotine CO effects are more pronounced than the effects of an equal exposure to CO alone, and visa versa. I would not be surprised if Aviado gets similar results with dogs. Nicotine acts as a coronary stimulant. Oxygen deprivation through COHb formation also drives the whole cardiovascular system harder than normal.

Regarding studies with other constituents, I would remind Dr. Aviado that cigarette smoke contains, if any, extremely minute amounts of nitrogen dioxide. A study of effects with this compound would only serve to support the erroneous belief that smokers are being exposed to this substance in harmful quantities.

In view of these points and those made by Dr. Fagan in the attached memo, I would not be in favor of this project.

*H Wakeham*  
H. Wakeham

cc: Mr. C.H. Goldsmith (with attach.)  
Dr. R.B. Seligman     "     "     ✓  
Mr. F.E. Resnik     "     "

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